

ENVIRO-PURE FOUNDATION, established in 1989, is a continuation of Enviro-Pure Environmental Technologies founded in 1977. We are offering > 42 years of experience in design, integration and supply of innovative and appropriate water technologies in close cooperation with world leading specialists from The Netherlands under the banner:

smart DUTCH WATER SOLUTIONS

with focus on **ASEAN, Australia, Pacific and South America** from our base in Chiang Mai-Thailand. Our latest addition, **TRIPLE H**, is a team of Senior Water Consultants and Design-Engineers with an unmatched track-record in municipal drinking water and effluent applications using State-of-the-Art technology. **TRIPLE H** presents **PERFECTOR TECHNOLOGY**, top design for sustainable, advanced water treatment to convert river water to perfect drinking water at lowest investment and operational costs, with superior water quality even from highest (2,000+) NTU levels.

PERFECTOR TECHNOLOGY: "SAFE WATER IN ONE STEP FROM RIVER TO TAP"

The **Perfector** Technology has been developed by combining decades of Dutch water treatment experience and advanced research to meet the need for reliable and affordable drinking water in emerging countries by upgrading or replacing outdated poorly functioning facilities.

Compared to conventional surface water treatment systems, the **Perfector Technology** offers unique features:

- Excellent safe drinking water quality with 1 minute mixing and 12 minutes flocculation only!
- Lowest investment costs, 50% less concrete, no mechanical mixing and aeration needed
- 50% Lower footprint, 50% shorter building time
- Lower operational and maintenance costs due to a minimum of mechanical parts
- Uses 30% less polyelectrolytes, and has 18% less energy-requirement
- Easy to operate. Operators with limited experience and education can be adequately trained in less than a week
- Robust and stable operation, even during strong and rapid fluctuations in raw water quality during rainy season
- 80% of investment can be locally tendered
- Key components Made in ASEAN, installed by expert team from ASEAN supplier

MODULAR DESIGN

Multiple Perfector-R and **Perfector-J** units can be combined to meet a wide range of required water production.

The **Perfector-R** model, with a modular capacity of 20 l/s and upwards, can be applied to meet the tap-water demand of communities of 20,000 to 250,000 people.

The **Perfector-J** model, with capacities of 300 l/s and upwards, can produce tap-water for 300,000 to several million people.

- Specially designed modular stainless steel inserts are manufactured in Indonesia to our specifications under strict quality control; installation of the critical components is carried-out by an experienced team from our manufacturers.
- More than 80% local content; job creation
- Start-up, fine-tuning and training and support is done by our own experts
- References of > 18 full-sized operational plants in ASEAN available

PERFECTOR PLANTS IN ASEAN



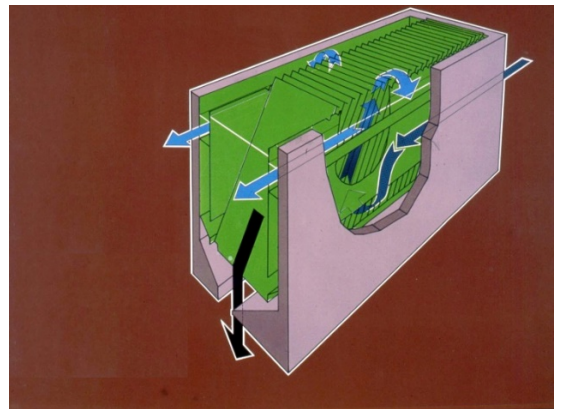
Poor mixing before revamp



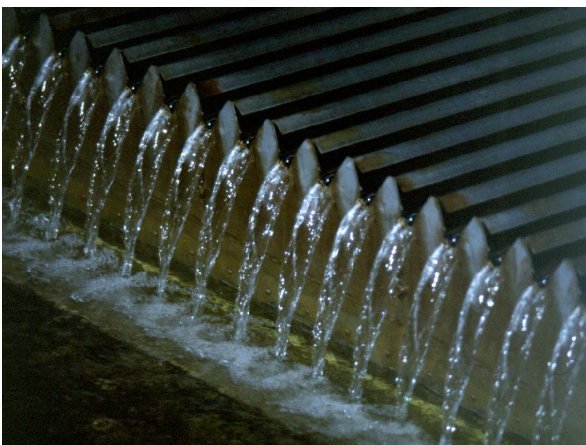
Perfector mixing in 1 second



Mixing and flocculation stage 30% of space



Optimized design of lamella-separator



TSS < 0.5, NTU < 0.3 even under high load



Compact *Perfector*: 50% less footprint

CONTACT US AT OUR THAILAND OFFICE:
ENVIRO-PURE (ASIA) Limited Partnership
CHIANG MAI-THAILAND
info@enviro-pure.nl
contact@enviro-pure.asia
+66 806990742
WWW.ENVIRO-PURE.NL